SEENERGY
Connecting Digital Vision

Entry-Level 4 Channel Network Video Recorder

Quick Guide v1.6.0

SVR-304 Basic

SVR-104 Basic

EN/QV16/09012010/001

Contents

Purpose 3
Package Contents 3
Hardware Illustration 4
    SVR-104 Basic 4
    SVR-304 Basic 5
LEDs and Buttons 6
Hard Drive Installations 8
    SVR-104 Basic 8
    SVR-304 Basic 9
Connect to the NVR 10
Set up Password 14
Add a Camera 15
Recording Configurations 17

Purpose

This document provides information for installing the 4CH Basic Network Video Recorder on your network. The information included in this document should be sufficient for users to quickly setup the device and start the live video monitoring. Users should also be able to perform basic troubleshooting with information provided in this document. For all other aspects of using this product, please consult the user's manual available on the CD

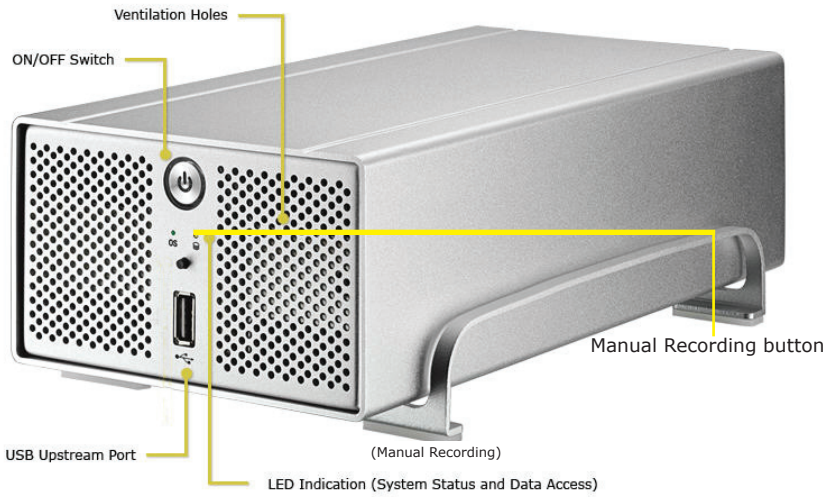
Package Contents

- **4CH Basic Network Video Recorder**
- **Power Adapter: Input 100-240V, Outpupt +5V/4.2A, +12V/3A**
- **Ethernet cable**
- **Printed Quick Installation Guide**
- **Printed Warranty Card**
- **CD with Adobe Acobat Reader/Quick Installation Guide/User's Manual/NVR Search Utility**

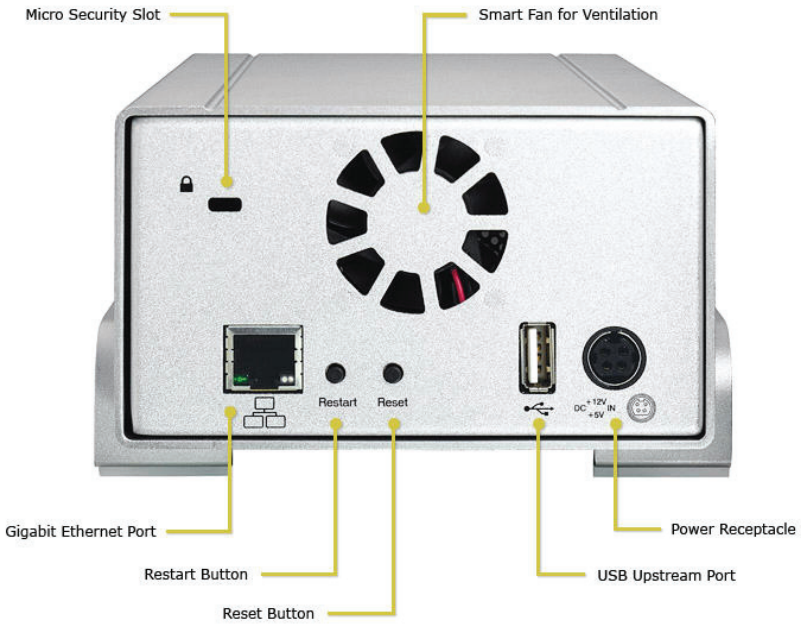
Hardware Illustration

SVR-104 Basic

(Front)



(Rear)



SVR-304 Basic

(Front)

(Rear)

LEDs and Buttons

Power Button: (Blue when ON) Press to turn on/off the system
Front LEDs:

green	yellow
1. OS	2. HDD

OS LED
Solid green: System ready
Off: System Off
Blinking:
1. ***System shutting down***

2. ***Upgrading firmware***

a) **Through USB drive**: Blinking indicating the upgrade is in process. Once firmware upgrade completes, the LED goes off. Manually turn off the power and turn it back on would be required afterwards.

b) **Through the web UI**: Blinking indicating the upgrade is in process. Once firmware upgrade completes, the LED goes off. The NVR will then restart automatically. Once it finishes restarting, the LED should turn to solid green to indicate the system is now ready.

3. ***Restoring previously saved configuration file***

a) **Through USB drive**: The LED should blink to indicate the process has started. The LED will then go off to indicate the process is complete. Manually turn off the power and turn it back on would be required afterwards.

b) **Through Web UI**: The LED should blink to indicate the process has started. The LED will then go off to indicate the restoring is complete and the system is restarting. The OS LED should indicate in solid green once the system becomes ready.

Recording LED
Solid amber: recording
Off: not recording
Blinking: Manual recording:
When "manual recording button" is pressed
** To start manual recording with the "manual recording button", press and hold the button for 2 seconds then release it. Follow the same procedure to stop.*

Ethernet Port LED

The green LED on the left indicates the link connection and the LED on the right indicates the speed

Speed	green	yellow	green	yellow
	10Mbps	1000Mbps	100Mbps	

Restart Button

Press and release the button for hardware re-start. The OS LED should should go off during the restart to indicate the system is restarting. The LED should indicate in solid green once the system becomes ready.

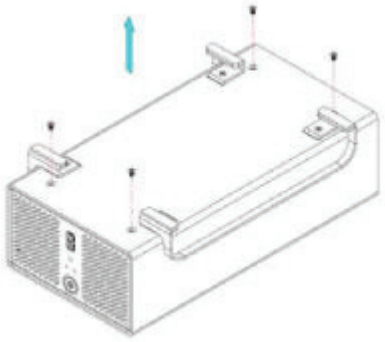
Reset Button

Press this button will restore the system's settings to factory default values. To start, press and hold the button for 5 seconds then release it once the OS LED goes off. The OS LED should indicate in solid green once the system becomes ready.

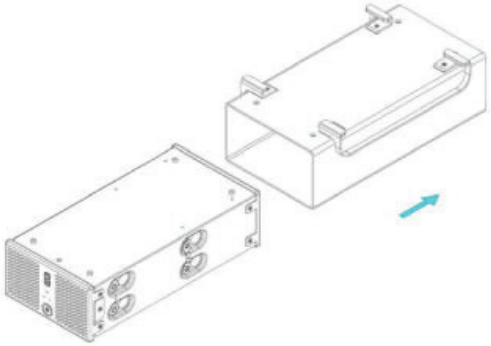
Hard Drive Installations

SVR-104 Basic

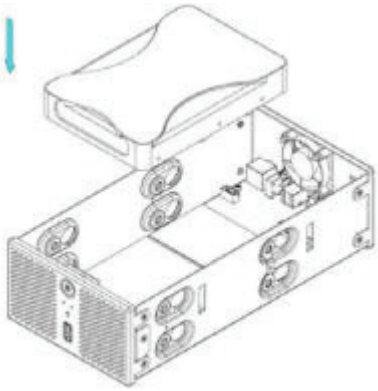
1. Remove the four screws from the bottom of the case.



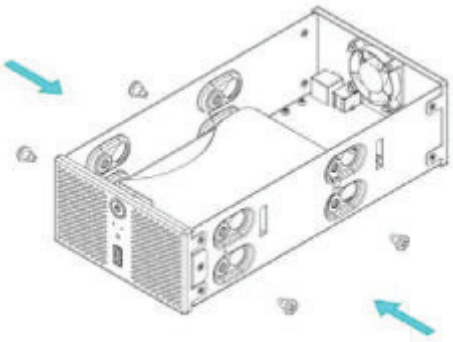
2. Push the inner enclosure out, and remove the outer chassis.



3. Install the first hard drive by placing it in the enclosure and connecting the SATA plus power cables.



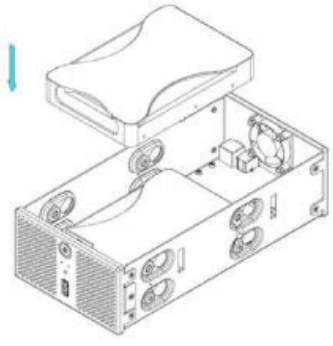
4. Mount the drive with two screws on each side.



5. Attach the thermal probe with the tape provided to the first hard drive.

Choose a location in between the two drives but without damaging the thermal probe when installing the second drive.

6. Install the second hard drive by placing it in the enclosure and connecting the SATA plus power cables.

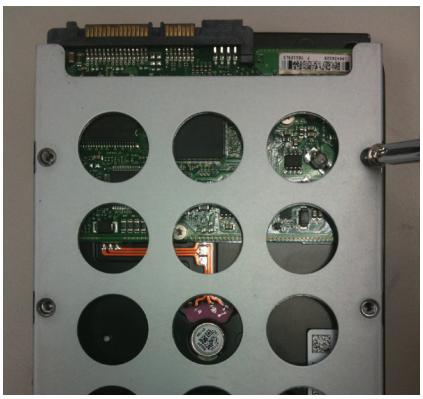


SVR-304 Basic

1. Push the silver button to release the HDD tray

2. Pull out the HDD tray

3. Place the HDD on the tray and secure the HDD with the screws at the bottom (as illustrated)



4. Push the tray back in the unit and press down the black bar to secure the tray

Connect to the NVR

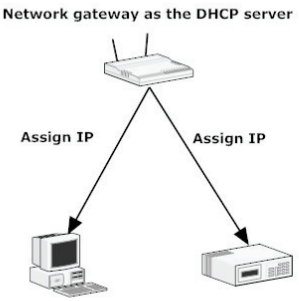
There are various ways you can connect to the NVR and below are the suggested methods for different network setup:

- The NVR is placed in a network with a DHCP server: Connect to the NVR by using **"NVR Search" Utility**
- The NVR is placed in a network without DHCP server (or you are connecting to it directly): **Access the NVR with its default IP**

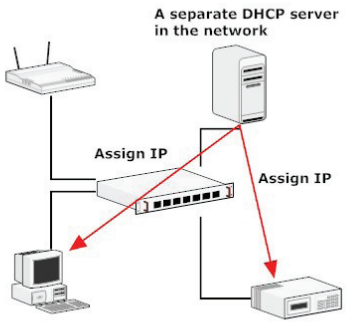
Use NVR Device Search Utility

If the NVR is placed in a corporate network or a local area network where a DHCP server is already presented, run the "NVR Device Search" utility from a computer that is on the same network and locate the NVR with its IP address that is assigned by the top-level DHCP server.

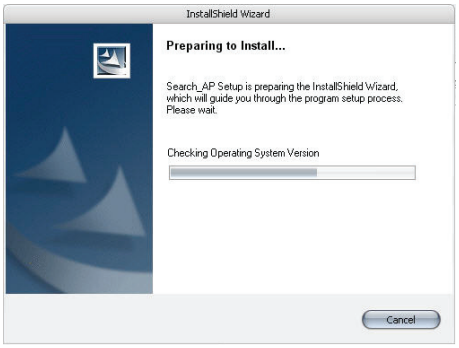
1.



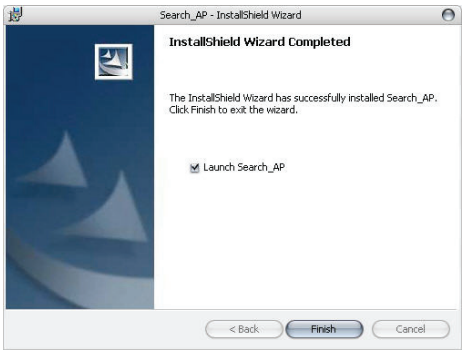
2.



To begin, launch the "NVR Search" utility from the CD and proceed with the installation:

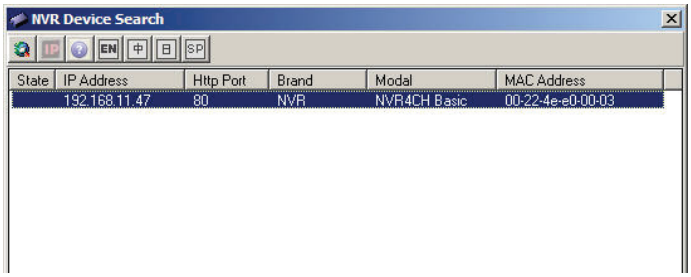

InstallShield Wizard
Preparing to Install...
Search_AP Setup is preparing the InstallShield Wizard, which will guide you through the program setup process. Please wait.
Checking Operating System Version
Cancel

Once the installation is complete, check the "Launch the Search AP" option and click "Finish":

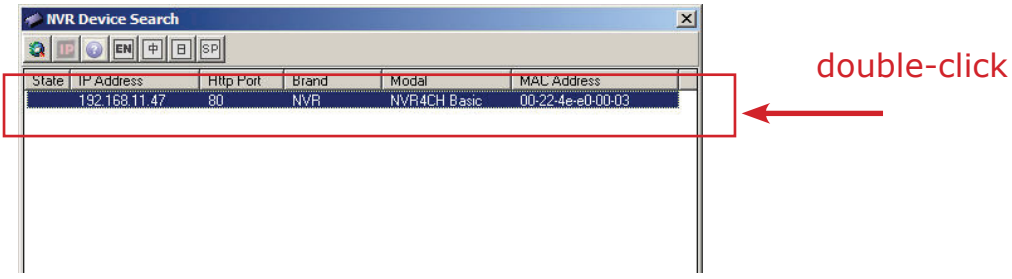


The search should start automatically and its status should be displayed:

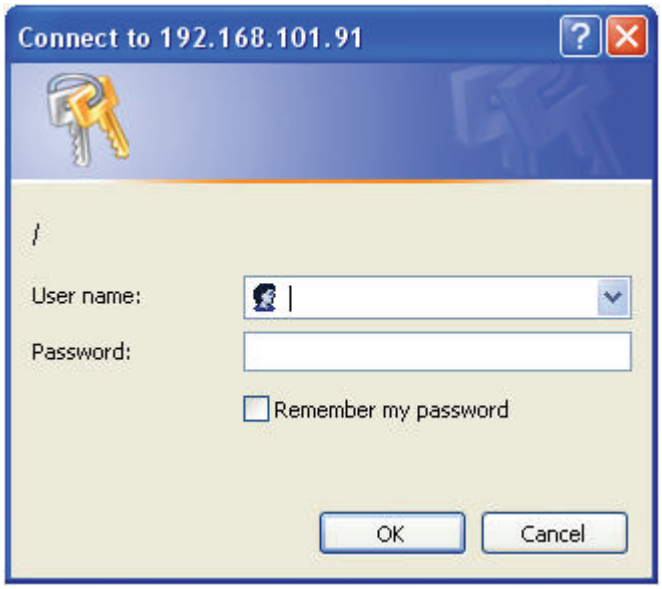
The NVR should be located and its IP address should be displayed:



Double-click on an NVR and the search program should automatically access the NVR's web administration page from your default browser

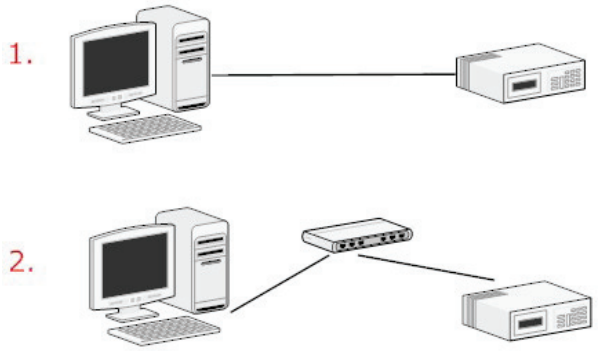


You should be prompted for the the NVR's username and password. Enter its default username "admin" and password "admin" and then click"OK" to enter the system

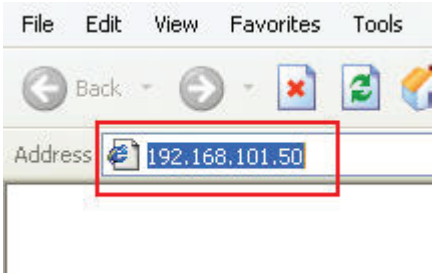


Access the NVR with its default IP address

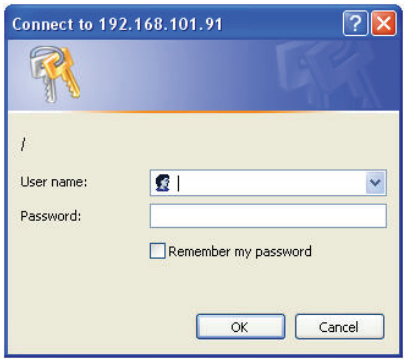
The NVR comes with a pre-configured static IP "**192.168.101.50**". However, it is only used when there is no DHCP server presented in the network. The NVR will turn on its DHCP server function and act as the DHCP server in the network. To connect to the NVR, use a PC that is on the same network over a switch or hub, or connect the PC directly to the NVR using a crossover CAT5 Ethernet cable.



The PC that is connected directly to the NVR (or within the same local area network) should receive an IP from the NVR. Simply access the NVR from your web browser with its IP address

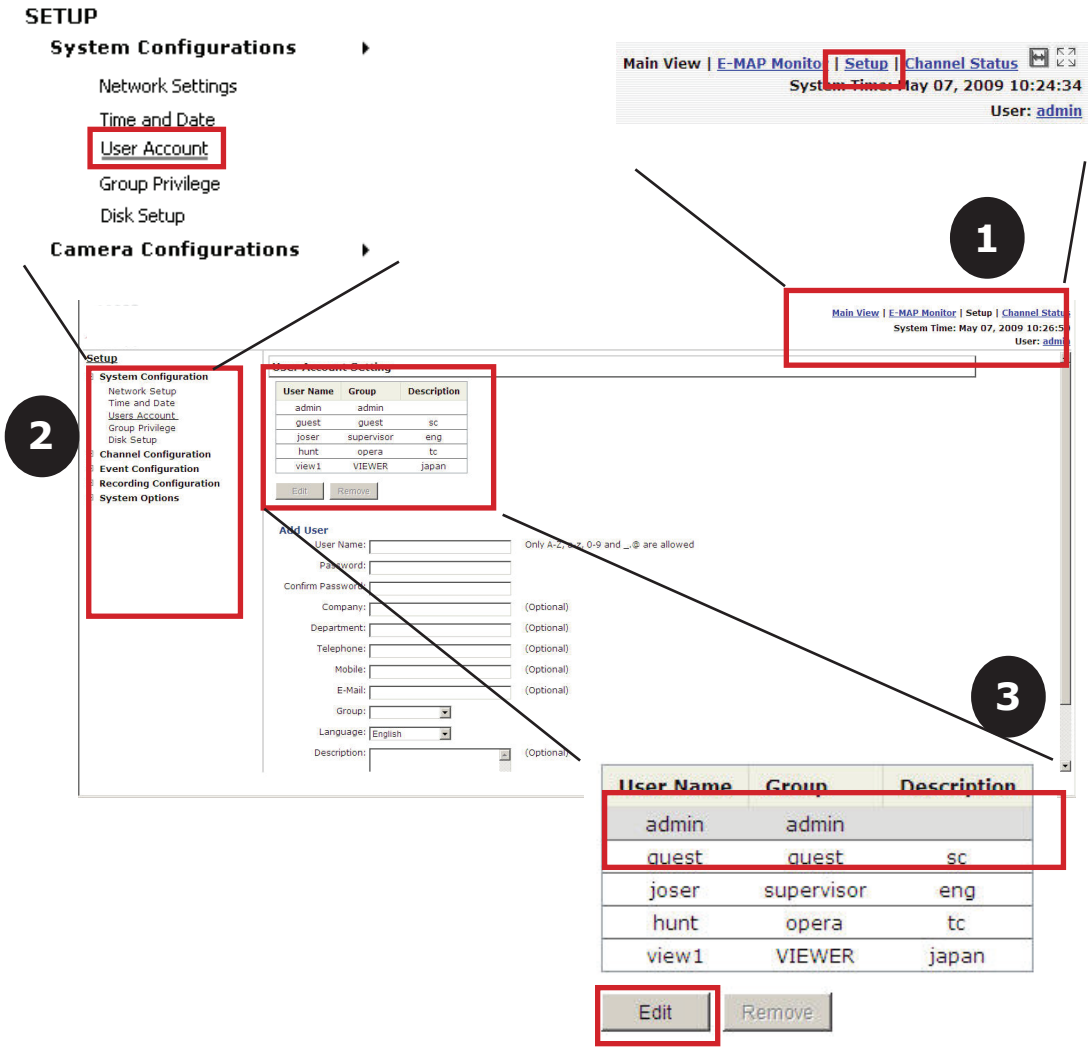


Again, you should be prompted for the username and password. Enter its default username "**admin**" and password "**admin**" and then click"OK" to enter the system



Set up Password

The default login username and password is admin/admin. To change the password of the admin account, go to "Setup" --> "System Configurations" --> "User Account", click on the "admin" account in the account list then press the "edit" button to change its password. Finally, click "Apply" to save the change.



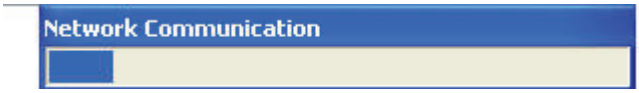
Add a Camera

Automatic Search:

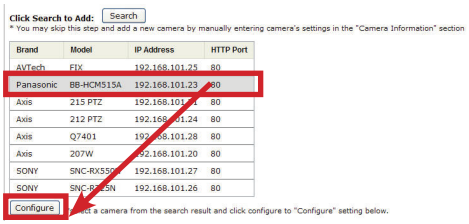
1. Click the "Search" button to perform the camera search. You should be prompted to install Active Control component in order for the search to function properly. Go ahead and click "Install"

Internet Explorer - Security Warning
Do you want to install this software?
Name: ActiveX Control of Media Client
Publisher: Seenergy Co., Ltd.
More options
Install
Don't Install
While files from the Internet can be useful, this file type can potentially harm your computer. Only install software from publishers you trust. What's the risk?

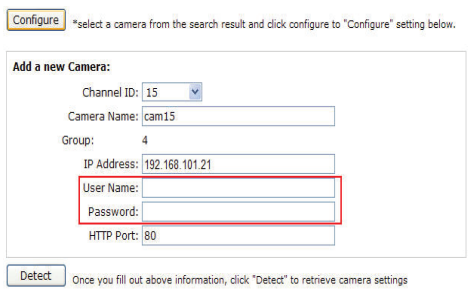
2. After that, the search should begin and its status should be displayed:



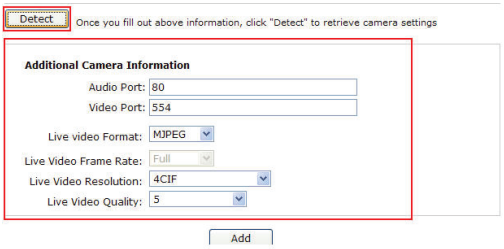
3. Found cameras should be listed and simply select a camera from the list and press "Configure"



4. Its corresponding information should be displayed in the "Camera Information" section. Enter its username and password and select the channel ID and name the camera.


Configure
*select a camera from the search result and click configure to "Configure" setting below.
Add a new Camera:
Channel ID: 15
Camera Name: cam15
Group: 4
IP Address: 192.168.101.21
User Name:
Password:
HTTP Port: 80
Detect
Once you fill out above information, click "Detect" to retrieve camera settings

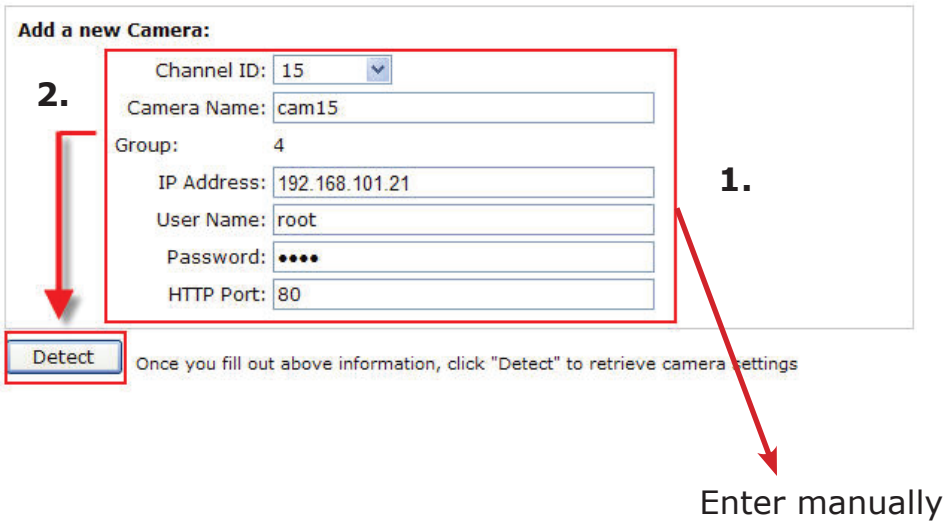
5. Click on "Detect" to establish connection between the recorder and the camera. If connection establishes successfully, camera's detailed information should be polled and displayed as below


Detect
Once you fill out above information, click "Detect" to retrieve camera settings
Additional Camera Information
Audio Port: 80
Video Port: 554
Live video Format: MJPEG
Live Video Frame Rate: Full
Live Video Resolution: 4CIF
Live Video Quality: 5
Add

6. Adjust its video format, frame rate, resolution or bitrate…etc if you wish and then click "Add" to finish adding the camera

Add a camera manually

Simply follow the instruction described above but instead of using the "Search" function, enter the camera's IP address and credential in the "Camera Information" manually, then follow step 5 ~6 described above.

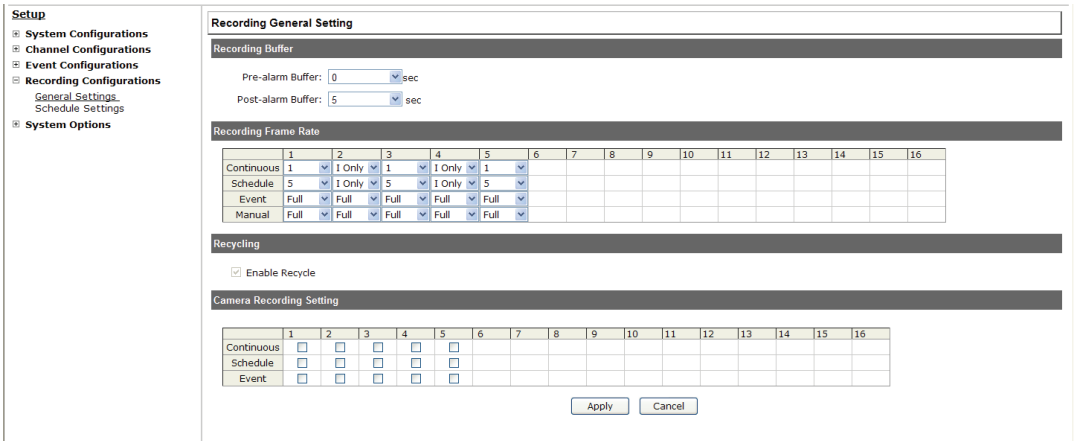


Recording Configurations

The "recording configurations" gives users the overall control of how and when a recording is performed and the quality of different types of recordings performed on each channels. It can help the recorder to operate with sufficient system resource by performing recording only when it's necessary with adjustable recording frame rate.

You can define the following in "General Settings":

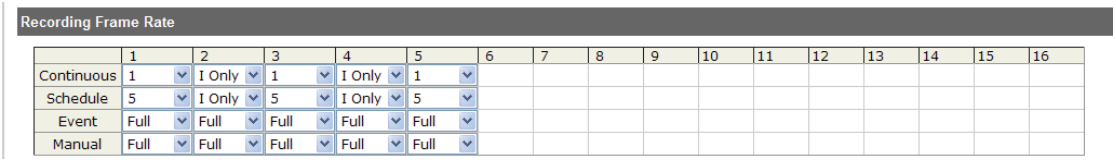
- Pre-Alarm/Post-Alarm recording length
- Recording frame rate
- Enable/disable different recording types on different cameras
- Enable/disable audio recording



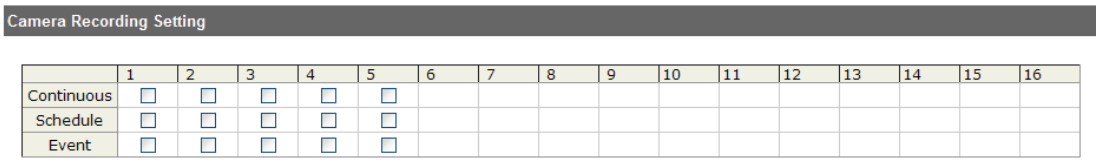
The "recording buffer" allows user to define "pre-alarm" and "post-alarm" time for event recordings. The "pre-alarm" time sets the NVR to record in advance when an event is triggered. The "post-alarm" time sets the NVR to continue recording for a period of time after an event trigger is finished.

** The "Pre-alarm" function only works when the "Continueous" recording is also activated.*

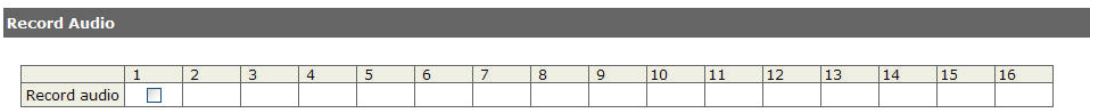
Recording frame rate allows you to set different frame rate for different types of recording instead of recording at one frame rate only. Use the drop-down menu and select one of the pre-defined frame rates for a particular recording type


Recording Frame Rate
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16
Continuous 1 I Only 1 I Only 1
Schedule 5 I Only 5 I Only 5
Event Full Full Full Full Full
Manual Full Full Full Full Full

The "Camera Recording Setting" section allows you to turn on or off a particular recording type on any channels.

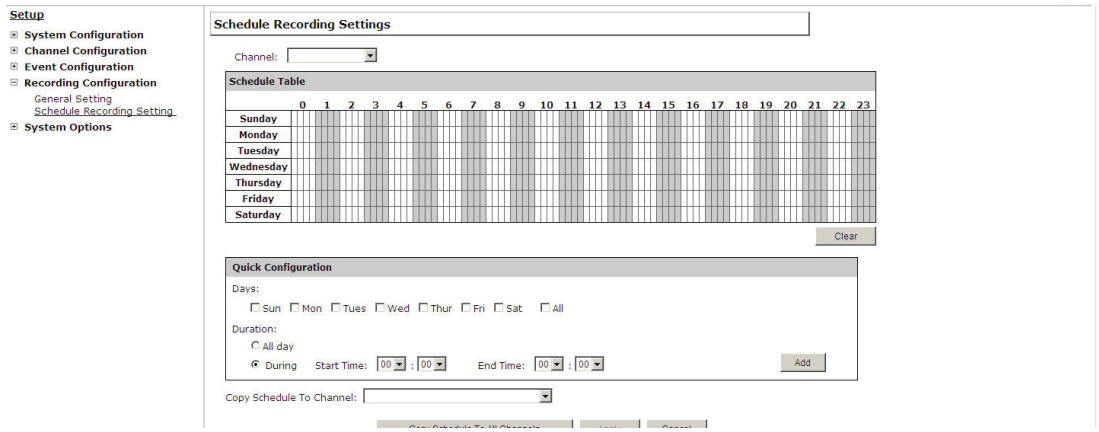


The section at the bottom of the page allows you to disable audio recording (record video only) of particular channels.



Schedule Recording

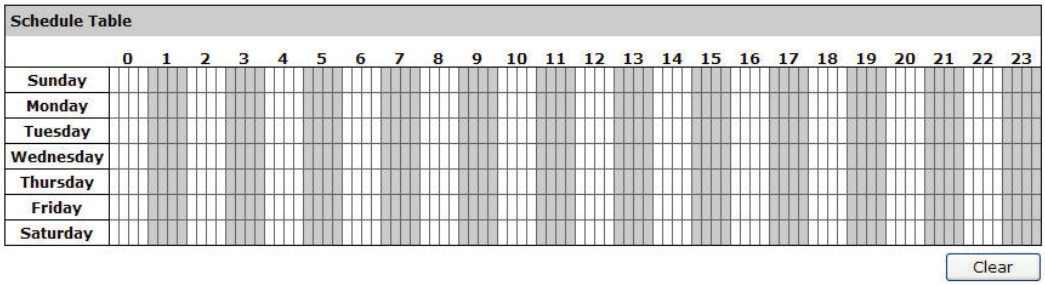
Here you can define the time range of the schedule recording for all channels.



To configure a schedule recording:

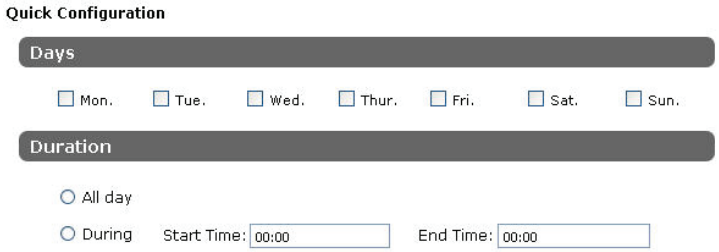
1. Use the "Channel" drop-down menu and select a camera first

2. You can use the schedule table to set the time range. Click the cell boxes then move horizontally lets you set what hours to perform recording during a day. Click and move vertically lets you set what days to perform recording at a specific time.



** Each cell box represents 15 minutes of time. Click one or more boxes to omit consecutive recording*

3. You can also use the "Quick Configuration" to define recording time range instead of clicking cell boxex one by one on the time table. Simply check what days you would like to perform recording and specify the recording duration by either choosing "All Day" or enter a start and end time for specific recording duration.



4. Select the "Copy to" option if you would like to set the same recording schedule to another camera.